



Fernando E Boada

Professor of Radiology (Radiological Sciences Laboratory)

Bio

BIO

Fernando Boada is a Professor of Radiology and Associate Chair for Basic Science Translational Research at Stanford University Medical School. [1] He joined Stanford in 2021 after being Professor of Radiology, Psychiatry and Neurosurgery at New York University Medical School and the Director of the Center for Advanced Imaging Innovation and Research. [1] Prior to joining NYU in 2012, Dr. Boada directed the MR Research Center (MRRC) at the University of Pittsburgh for ten years. [1] His research efforts have been focused on the development of novel MRI techniques for addressing open neuroimaging questions in a translational setting.

ACADEMIC APPOINTMENTS

- Professor, Radiology

ADMINISTRATIVE APPOINTMENTS

- Director, Magnetic Resonance Research Center, Department of Radiology, University of Pittsburgh, (2002-2012)
- Co-Director, Center for Biomedical Imaging, Department of Radiology, New York University, (2012-2021)
- Director, Center for Advanced Imaging Innovation and Research, Department of Radiology, New York University, (2012-2021)
- Associate Chair, Basic Science Translational Research, Department of Radiology, Stanford University, (2021- present)

HONORS AND AWARDS

- Distinguished Investigator, Academy of Radiology (2015)
- College of Fellows, American Institute for Medical and Biological Engineering (2008)
- Senior Fellow, International Society for Magnetic Resonance in Medicine (2010)

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Christian Licht

Publications

PUBLICATIONS

- **Tractography passes the test: results from the diffusion-simulated connectivity (DiSCo) challenge.** *NeuroImage*
Girard, G., Rafael-Patiño, J., Truffet, R., Aydogan, D. B., Adluru, N., Nair, V. A., Prabhakaran, V., Bendlin, B. B., Alexander, A. L., Bosticardo, S., Gabusi, I., Ocampo-Pineda, M., Battocchio, et al

2023: 120231

- **Stepwise Stochastic Dictionary Adaptation Improves Microstructure Reconstruction with Orientation Distribution Function Fingerprinting.** *Computational diffusion MRI : 13th International Workshop, CDMRI 2022, held in conjunction with MICCAI 2022, Singapore, Singapore, September 22, 2022, Proceedings. CDMRI (Workshop) (13th : 2022 : Singapore, Singapore)*
Filipiak, P., Shepherd, T., Basler, L., Zuccolotto, A., Placantonakis, D. G., Schneider, W., Boada, F. E., Baete, S. H.
2022; 13722: 89-100
- **Performance of orientation distribution function-fingerprinting with a biophysical multicompartment diffusion model.** *Magnetic resonance in medicine*
Filipiak, P., Shepherd, T., Lin, Y., Placantonakis, D. G., Boada, F. E., Baete, S. H.
2022
- **Using fMRI connectivity to define a treatment-resistant form of post-traumatic stress disorder.** *Science translational medicine*
Etkin, A., Maron-Katz, A., Wu, W., Fonzo, G. A., Huemer, J., Vertes, P. E., Patenaude, B., Richiardi, J., Goodkind, M. S., Keller, C. J., Ramos-Cejudo, J., Zaiko, Y. V., Peng, et al
2019; 11 (486)
- **Using fMRI connectivity to define a treatment-resistant form of post-traumatic stress disorder** *SCIENCE TRANSLATIONAL MEDICINE*
Etkin, A., Maron-Katz, A., Wu, W., Fonzo, G. A., Huemer, J., Vertes, P. E., Patenaude, B., Richiardi, J., Goodkind, M. S., Keller, C. J., Ramos-Cejudo, J., Zaiko, Y., Peng, et al
2019; 11 (486)
- **Informatics methods to enable sharing of quantitative imaging research data** *MAGNETIC RESONANCE IMAGING*
Levy, M. A., Freymann, J. B., Kirby, J. S., Fedorov, A., Fennessy, F. M., Eschrich, S. A., Berglund, A. E., Fenstermacher, D. A., Tan, Y., Guo, X., Casavant, T. L., Brown, B. J., Braun, et al
2012; 30 (9): 1249-1256
- **MRI of articular cartilage in OA: novel pulse sequences and compositional/functional markers** *Workshop for Consensus on Osteoarthritis Imaging*
Gold, G. E., Burstein, D., Dardzinski, B., Lang, P., Boada, F., Mosher, T.
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